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(71) Applicant (for all designated States except US): NOKIA  
TELECOMMUNICATIONS OY [FI/FI]; Keilalahdentie 4,  
FIN-02150 Espoo (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): HAUMONT, Serge  
[FR/FI]; Tehtaankatu 6 B 14, FIN-00140 Helsinki (FI).  
LINDHOLM, Heikki [FI/FI]; Peräsin 3 D 2, FIN-02320  
Espoo (FI). SÖDERBACKA, Lauri [FI/FI]; Aarnivalkeantie  
5 B 26, FIN-02100 Espoo (FI). BÄCK, Juha [FI/FI];  
Kulosaaren Puistotie 44 B 22, FIN-00570 Helsinki (FI).  
NIEMI, Juhapekka [FI/FI]; Tahmelanvaltatie 33 as 5,  
FIN-33250 Tampere (FI). KESKINEN, Matti [FI/FI];  
Retiisikuja 4, FIN-04400 Järvenpää (FI). HARTIKAINEN,  
Jari [FI/FI]; Metsärinne 7B, FIN-04220 Kerava (FI).

(74) Agent: PATENT AGENCY COMPATENT LTD.; Teollisu-  
uskatu 33, P.O. Box 156, FIN-00511 Helsinki (FI).

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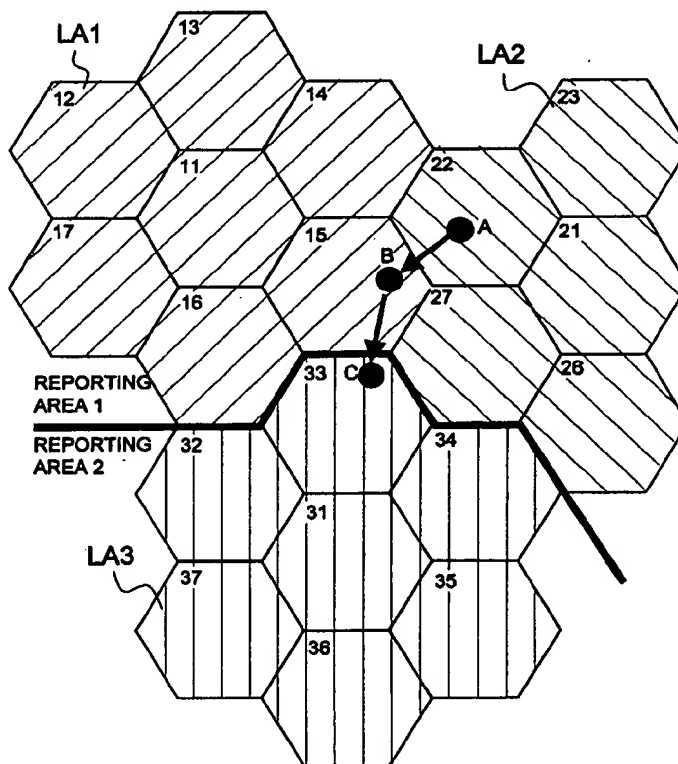
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(57) Abstract

The basic idea of the invention is to separate the location area used in the RAN and the reporting area used when reporting the location of the mobile to the core network. The size of the location area is selected preferably in the RAN based on the services used by the subscriber to optimize the use of radio resources. A reporting area comprises one or a plurality of location areas. The size of a reporting area is selected based on the accuracy of location information needed in the core network. The RAN informs the core network when a subscriber moves out of his current location area. The core network and the radio access network negotiate the size of the reporting area prior to the activation of the service. Additionally, the reporting areas can be renegotiated when the service is in the active state.



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